

SUBJECT: EMT-Paramedic Training Program Requirements  
and Procedures for Approval/Reapproval

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Date: 7/1/96

- I. Authority:** Health and Safety Code, Section 1797.208.
- II. Purpose:** To establish a mechanism for application and approval/reapproval of EMT-Paramedic (EMT-P) training programs in San Diego County.
- III. Policy:**
- A. All EMT-Paramedic training programs must meet requirements as set forth in the California Code of Regulations, Title 22, Division 9, Chapter 4, and San Diego County Division of Emergency Medical Services (EMS) requirements as listed in the attached training program application.
  - B. All EMT-P training programs must provide a training program consisting of not less than 1000 hours to include:
    - 1. A minimum of 320 hours of didactic and skills lab.
    - 2. A minimum of 480 hours of field internship with a minimum of 40 ALS contacts.
    - 3. A minimum of 160 hours of hospital clinical training.
  - C. All EMT-P Training Programs must have approval of the County of San Diego Division of EMS prior to the program being offered.
  - D. Program approval shall be for two years following the effective date of approval and may be renewed every two years subject to the procedure for program approval.
  - E. All approved EMT-P training programs shall be subject to periodic review by the Department of Health Services, Division of EMS and may also be reviewed by the State of California EMS Authority. This review may involve periodic review of all program materials, and periodic on-site evaluations.
  - F. All approved training programs shall notify the Division of EMS in writing, in advance (when possible, and in all cases within 30 days) of any change in course content, hours of instruction, course director,

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Approved:

*Gail F. Cooper*

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Administration

*Michael G. Geller*

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Medical Director

SUBJECT: EMT-Paramedic Training Program Requirements  
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program medical director, provisions for hospital clinical experience, or field internship.

- G. Noncompliance with any criterion required for program approval, use of any unqualified teaching personnel, or noncompliance with any other applicable provision of Title 22, Division 9, Chapter 4 of the California Code of Regulations may result in suspension or revocation of program approval by the Department of Health Services, Division of EMS. An approved EMT-P training program shall have no more than 60 days from date of written notice to comply with the regulations.

**IV. Procedure:**

- A. To receive program approval all requesting training programs shall submit all materials requested on the "CHECK LIST: EMERGENCY MEDICAL TECHNICIAN PARAMEDIC, TRAINING PROGRAM APPLICATION" (see attached).
- B. Program approval or disapproval shall be made in writing by the Department of Health Services, Division of EMS to the requesting training program within a reasonable period of time after receipt of all required documentation. This period of time shall not exceed three months.
- C. The Department of Health Services, Division of EMS shall establish the effective date of program approval in writing upon the satisfactory documentation of compliance with all program requirements.

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Approved:

*Gail F. Cooper*

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Administration

*M. L. G. G. G.*

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Medical Director

Materials to be Submitted	Check One		
	Enclosed	To Follow	For County Use Only
1. Documentation of Eligibility for Program Approval. 100147(b)			
2. Letter to EMT-P Approving Authority Requesting Approval. 100152(a)			
3. Check list for EMT-P Program Approval.			
4. Completed Application Form for Program Approval.			
5. Program Medical Director Qualification Form and Job Description. 100148(a)			
6. Program Course Director Qualification Form and Job Description. 100148(b)			
7. Program Principle Instructor(s) Qualification Form and Job Description. 100148(c)			
8. Teaching Assistant(s). 100148(d) Submit Names and Subjects Assigned to Each Teaching Assistant and Job Description.			
9. Field Preceptor(s). Submit Names, Qualifications and Job Description. 100148(e)			
10. Hospital Clinical Preceptor(s). Qualifications Form and Job Description. 100148(f)			
11. Copy of Written Agreements with (one or more) Base Hospital(s) to Provide Clinical Experience. 100150			
12. Provisions for Supervised Hospital Clinical Training Including Student Evaluation Criteria, and Copy of Standardized Forms for Evaluating EMT-P Students and Monitoring of Preceptors by the Training Program. 100150(d)			
13. Copy of Written Agreement with (one or more) EMT-P Service Provider(s) to Provide Field Experience. 100151			
14. Provisions for Supervised Field Internship Including Student Evaluation Criteria, and Copy of Standardized Forms for Evaluating EMT-P Students and Monitoring of Preceptors by the Training Program. 100151			

Materials to be Submitted	Check One		
	Enclosed	To Follow	For County Use Only
15. Course Curriculum, including: A. Course Outline B. Statement of Course Objectives C. At least 6 Sample Lesson Plans D. Performance Objectives for Each Skill E. At least 10 Samples of Written Questions Used in Periodic Testing F. Final Skills Exam			
16. Completed Course Content Checklist			
17. Class Schedules: Places and Dates Estimate if Necessary. 100152			
18. Copy of Course Completion Record. 100161			
19. Copy of Liability Insurance on Students.			
20. Copy of Fee Schedule.			
21. Description of how Program Provides Adequate Facilities, Equipment, Examination Security and Student Recordkeeping. 100152			

**COUNTY OF SAN DIEGO DIVISION OF EMERGENCY MEDICAL SERVICES**

**APPLICATION FORM**

**EMT-P TRAINING PROGRAM**

1. Name of Institution/Agency \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

Zip Code \_\_\_\_\_

Contact Person \_\_\_\_\_

Telephone Number \_\_\_\_\_

Extension \_\_\_\_\_

2. Personnel:

Program Medical Director \_\_\_\_\_

Course Director \_\_\_\_\_

Principal Instructor(s) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Teaching Assistants \_\_\_\_\_

(Name & Subjects Assigned) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Name and Base Hospital Affiliation)

[illegible]

[illegible]

3. Course Hours:

Total \_\_\_\_\_

Didactic and Skills Lab \_\_\_\_\_

Hospital Clinical Training \_\_\_\_\_

Field Internship \_\_\_\_\_

4. Texts \_\_\_\_\_

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**COUNTY OF SAN DIEGO DIVISION OF EMERGENCY MEDICAL SERVICES  
EMT-P TEACHING QUALIFICATIONS**

Check One:

- ☐ Program Director
- ☐ Course Director
- ☐ Principal Instructor
- ☐ Clinical Preceptor

1. Name: \_\_\_\_\_

2. Occupation: \_\_\_\_\_

3. Professional or Academic Degrees Held:      4. Professional License/Certification Number(s):

a. \_\_\_\_\_

a. \_\_\_\_\_

b. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

c. \_\_\_\_\_

5. California Teaching Credentials Held:

a. Type: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

b. Type: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

6. Emergency Care-Related Education within the last 5 years:

<u>Course Title</u>	<u>School</u>	<u>Course Length</u>	<u>Date Completed</u>
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a.

b.

c.

7. Emergency Care-Related Experience within the last 5 years:

<u>Position</u>	<u>Duties</u>	<u>Organization</u>	<u>Dates</u>
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a.

b.

c.

Approvals:

\_\_\_\_\_  
Program Medical Director

\_\_\_\_\_  
Course Director

Date

**COUNTY OF SAN DIEGO DIVISION OF EMERGENCY MEDICAL SERVICES  
EMT-PARAMEDIC TRAINING PROGRAM  
COURSE CONTENT CHECKLIST**

<b>Division 1: Prehospital Environment</b>		Page No.	County Use
1.	Roles and Responsibilities		
2.	Emergency Medical Services Systems		
3.	Emergency medical services systems components		
	a. Recognition and access		
	b. Initiation of the emergency medical services response		
	c. Management of the scene		
	d. Medical control		
	e. Scene control		
	f. When to call for backup		
4.	Transportation of emergency personnel, equipment and the patient		
	a. California Highway Patrol equipment mandate (requirements)		
	b. Determination of destination		
5.	Overview of hospital categorization and designation		
	a. Base hospital		
	b. Critical care centers (e.g., Trauma Centers, Pediatric Centers)		
	c. Emergency facility - comprehensive, basic, standby		
	d. Receiving hospital		
6.	Communications overview		
	a. Radio		
	b. Telemetry		
	c. Telephone		
7.	Recordkeeping		
8.	Multicasualty incidents and disasters		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
9. Role and responsibility of the State and local EMS system management		
10. Laws governing the EMT-P		
a. Abandonment		
b. Child abuse, elder abuse, and other laws that require reporting		
c. Consent - implied and informed		
d. Good Samaritan Laws		
e. Legal detention		
f. Local policies and procedures		
g. Medical control		
h. Medical practice acts affecting the EMT-Ps		
i. Negligence		
j. Overview of EMT-I, EMT-II and EMT-P in California		
k. Special procedures utilized for victims of suspected criminal acts including preservation of evidence		
l. The health professional at the scene		
m. Written medical records		
11. Overview of issues concerning the health professional		
a. Death and dying		
b. Malpractice protection		
c. Medical ethics and patient confidentiality		
d. Safeguards against communicable diseases		
12. Emergency medical services communication system		
a. Radio communication		
b. System components		
c. Telephone communication		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
13. Communication regulations and procedures		
a. Radio troubleshooting		
b. Radio use		
c. Role of Federal Communications Commission (FCC)		
d. Radio mechanics, skills protocols		
14. Extrication and rescue		
15. Multicasualty disaster management		
a. Local policies and protocols		
b. Medical management		
c. Triage		
16. Hazardous materials, gas and radiation		
17. Stress Management		
<b>Division 2: Preparatory Knowledge and Skills</b>		
1. Medical terminology		
2. Basics of anatomy and physiology		
a. Body cavities		
b. Cardiovascular (circulatory) system		
c. Digestive system		
d. Endocrine system		
e. Genitourinary system		
f. Homeostasis		
g. Integumentary system		
h. Muscular system		
i. Nervous system		
j. Respiratory system		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
k. Skeleton system		
l. Surface anatomy		
m. The cell		
n. Tissues		
3. Patient assessment		
a. Pertinent patient history		
b. Physical examination		
c. Prioritization of assessment and management		
d. Scene assessment		
4. Reporting format for presenting patient information		
5. Skills Protocols		
a. Diagnostic signs		
b. Patient assessment		
c. Reporting patient information		
6. Airway management including		
a. Bag/valve systems		
b. Demand valves		
c. Nasopharyngeal airways		
d. Oropharyngeal airways		
e. Oxygen administration devices		
f. Suctioning and portable suction equipment		
g. Chest auscultation		
h. Direct laryngoscopy and use of Magill forceps for removal of foreign body		
i. Endotracheal intubation (ET)		
j. Esophageal airway (EGTA)		

**COURSE CONTENT CHECKLIST (cont.)**

County Use

- k. Needle thorascostomy
  - (1) other skills included within the San Diego EMS EMT-P optional scope of practice
- 7. Pathophysiology of Shock
  - a. Acid-base balance
  - b. Blood and its composition
  - c. Body fluids and distribution
  - d. Electrolytes
  - e. Intravenous solutions
  - f. Osmosis and diffusion
  - g. Cardiogenic shock
  - h. Distributive shock
  - i. Hypovolemic shock
  - j. Obstructive shock
  - k. IV insertion
    - 1) Peripheral
    - 2) External jugular
    - 3) Access indwelling IV devices including AV fistula shunts and heparin locks
  - l. Pneumatic antishock trousers and associated complications
  - m. Withdrawal of blood samples
- 8. General Pharmacology
  - a. Classifications
  - b. Factors which affect action, onset of action and duration
  - c. General drug actions
  - d. Home medications
  - e. Routes of administration

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
f. Terminology		
g. Drug dosages		
h. Computing dosages		
i. Weights and measures		
j. Autonomic nerves - Parasympathetic/sympathetic alpha/beta		
9. Specific drugs		
a. 25% and 50% dextrose		
b. activated charcoal		
c. aerosolized or nebulized beta-2 specific bronchodilators		
d. atropine sulfate		
e. bretylium tosylate		
f. calcium chloride		
g. diazepam		
h. diphenhydramine hydrochloride		
i. dopamine hydrochloride		
j. epinephrine		
k. furosemide		
l. glucagon		
m. heparin		
n. isoproterenol		
o. lidocaine		
p. morphine sulfate		
q. naloxone hydrochloride		
r. nitroglycerine		
s. oxytocin		
t. sodium bicarbonate		



## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
u. syrup of ipecac		
v. terbutaline sulfate		
w. verapamil		
10. Drug preparation and administration skills		
a. Addition of drugs to IV		
b. Administration of drugs directly into a vein		
c. Administration of drugs through an endotracheal tube (as part of ET skill)		
d. Administration of drugs through an IV tubing medication port		
e. Inhalation		
f. Intramuscular injections		
g. Oral		
h. Subcutaneous injections		
i. Sublingual (not for injection)		
j. Sublingual injections		
<b>Division 3: Trauma</b>		
1. Soft tissue injuries		
a. Eye injuries		
b. Head and neck injuries		
c. Wounds - open and closed		
d. Bandaging		
e. Control of external hemorrhage		
f. Eye irrigation		
g. Immobilizing impaled objects		
h. Impaled objects including removal of impaled object in cheek		
i. Pneumatic antishock trousers		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
2. Musculoskeletal Injuries		
a. Fractures		
b. Dislocations		
c. Sprains and strains		
d. Pneumatic antishock trousers		
e. Rigid splint		
f. Sling and swathe		
g. Traction splint		
3. Chest Trauma		
a. Hemothorax		
b. Impaled objects		
c. Myocardial and great vessel trauma		
d. Pneumothorax and tension pneumothorax		
e. Rib fractures and flail chest		
f. Needle thoracostomy		
4. Abdominal Trauma		
5. Head and Spinal Cord Trauma		
a. Cervical immobilization		
b. Helmet removal		
c. Spinal immobilization		
6. Multisystem Injuries		
7. Burns		

## COURSE CONTENT CHECKLIST (cont.)

		Page No.	County Use
<b>Division 4: Medical Emergencies</b>			
1.	Respiratory System		
	a. Composition of gases in the environment		
	b. Exchange of gases in the lung		
	c. Regulation of respiration		
	d. Respiration patterns		
	e. Respiratory distress		
	f. Asthma and chronic obstructive pulmonary disease		
	g. Cerebral and brain stem dysfunction		
	h. Dysfunction of spinal cord, nerves or respiratory muscles		
	i. Hyperventilation syndrome		
	j. Pneumonia		
	k. Pulmonary embolism		
	l. Spontaneous pneumothorax		
	m. Upper airway obstruction		
	n. Acute pulmonary edema		
	o. Near drowning		
	p. Toxic inhalations		
2.	Cardiovascular System - Anatomy and Physiology		
	a. Cardiac conduction system		
	b. Cardiac cycle		
	c. Cardiac output and blood pressure		
	d. Electromechanical system of the heart		
	e. Nervous control		
	f. Components of the electrocardiogram record		
	g. Electrophysiology		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
h. Identifying normal sinus rhythm		
i. Dysrhythmia recognition, to include prehospital management		
1) Artifact		
2) Artificial pacemaker rhythms		
3) Atrial fibrillation		
4) Atrial flutter		
5) Cardiac standstill (asystole)		
6) Electromechanical dissociation		
7) First degree atrioventricular block		
8) Idioventricular rhythm		
9) Junctional rhythm		
10) Premature atrial contractions		
11) Premature junctional contractions		
12) Premature ventricular contractions		
13) Second degree atrioventricular block		
14) Sinus arrhythmia		
15) Sinus bradycardia (with hypotension)		
16) Sinus tachycardia		
17) Supraventricular tachycardia		
18) Third degree atrioventricular block		
19) Ventricular fibrillation		
20) Ventricular tachycardia		
j. Aortic aneurysm		
k. Cardiogenic shock		
l. Congestive heart failure		
m. Coronary artery disease, angina and acute myocardial infarction		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
n. Hypertensive emergencies		
o. Advanced cardiac life support (ACLS) megacode modified for field situation		
p. Basic cardiac life support (BCLS)		
q. Cardiac monitoring		
r. Defibrillation and synchronized cardioversion		
s. Dysrhythmia recognition of the rhythms listed in subsection (2)(C)		
t. Vagal maneuvers, specifically, vals alva maneuvers		
3. Endocrine Emergencies		
a. Diabetes		
b. Glucose Monitoring		
4. Nervous System		
a. Autonomic nerves		
b. Brain and spinal cord		
c. Peripheral nerves		
d. Coma		
e. Seizures		
f. Stroke		
g. Syncope		
5. Acute Abdomen, Genitourinary and Reproductive Systems		
a. GI bleeding		
b. Diseases of genitourinary and reproductive systems		
6. Anaphylaxis		
7. Toxicology, Alcoholism and Drug Abuse		
8. Infectious and Communicable Diseases		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
9. Environmental Emergencies		
a. Compressed air diving injuries and illnesses		
b. Mountain sickness and other high altitude syndromes		
c. Lightning and other electrical injuries		
d. Poisonous and nonpoisonous bites and stings		
e. The atmospheric and thermal environment and the physiology of temperature regulation		
f. Cold exposure		
g. Heat exposure		
h. Thermal injuries and illnesses		
i. Application of constricting bands		
j. Snake bite kit		
10. Pediatrics		
a. Approach to parents and child		
b. Growth and development		
c. Cardiopulmonary arrest		
d. Child abuse/neglect		
e. Altered level of consciousness		
f. Common communicable diseases (childhood illnesses)		
g. Meningitis		
h. Seizures		
i. Near drowning		
j. Poisoning		
k. Allergic reactions/anaphylaxis		
l. Asthma/bronchitis		
m. Epiglottitis		

## COURSE CONTENT CHECKLIST (cont.)

	Page No.	County Use
n. Foreign body aspiration		
o. Pneumonia		
p. Tracheobronchitis (croup)		
q. Sudden infant death syndrome		
r. Trauma, including shock		
s. Airway adjuncts utilized for neonates, infants and children		
t. Child resuscitation		
u. Cooling measures		
v. Infant resuscitation		
w. IV techniques		
<b>Division 5: Obstetrical, Gynecological, Neonatal Emergencies</b>		
1. Anatomy and physiology of the female reproductive system.		
2. Normal childbirth. The stages of labor and normal delivery, including assessment and management.		
3. Obstetrical emergencies. Pathophysiology, specific patient assessment, associated complications, and the prehospital management of obstetric emergencies to include:		
a. Abnormal fetal presentation.		
b. Abortion		
c. Abruptio placenta		
d. Breech birth		
e. Failure to progress		
f. Multiple birth		
g. Placenta previa		
h. Post partum hemorrhage		
i. Premature birth		

**COURSE CONTENT CHECKLIST (cont.)**

Page No.

County Use

- j. Prolapsed cord
  - k. Ruptured ectopic pregnancy
  - l. Supine hypotension syndrome
  - m. Toxemia of pregnancy.
4. Gynecological emergencies. Pathophysiology, specific patient assessment, associated complications, and the prehospital management of gynecologic emergencies to include:
- a. Pelvic inflammatory disease
  - b. Ruptured ovarian cyst
  - c. Vaginal bleeding
5. The neonate. Specific patient assessment, and the prehospital management of the neonate to include:
- a. APGAR scoring
  - b. Resuscitation
  - c. Temperature regulation
6. Skills protocols
- a. Assisting with breech delivery
  - b. Assisting with normal deliveries, to include care of the newborn
  - c. Management of the prolapsed cord
  - d. Neonatal resuscitation

**Division 6: Special Patient Problems**

1. Behavioral Emergencies
- a. Emotional crisis
  - b. Substance abuse
  - c. Victims of assault, to include sexual assault
  - d. Use of community resources



**COURSE CONTENT CHECKLIST (cont.)**

Page No.      County Use

- e. Application of restraints
- f. Management of difficult patient situations
- g. Behavioral responses to injury, illness, death and dying
- 2. Assault Victims
- 3. Geriatric Patients
- 4. Disabled Patients
- 5. Obstetrical, Gynecological, Emergencies
  - a. Abnormal fetal presentation
  - b. Abortion
  - c. Abruptio placenta
  - d. Breech birth
  - e. Failure to progress
  - f. Multiple birth
  - g. Placenta previa
  - h. Post partum hemorrhage
  - i. Premature birth
  - j. Prolapsed cord
  - k. Ruptured ectopic pregnancy
  - l. Supine hypotension syndrome
  - m. Toxemia of pregnancy
  - n. Normal birth
  - o. Pelvic inflammatory disease
  - p. Ruptured ovarian cyst
  - q. Vaginal bleeding
  - r. The neonate

**COURSE CONTENT CHECKLIST (cont.)**

	Page No.	County Use
6. Neonatal Emergencies		
a. APGAR scoring		
b. Resuscitation		
c. Temperature regulation		
d. Skills protocols		
e. Assisting with breech delivery		
f. Assisting with normal deliveries, to include care of the newborn		
g. Management of the prolapsed cord		